



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

CGI Windows & Doors, Inc.

10100 NW 25 Street

Miami, Fl. 33172

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Clipped" Aluminum Tube Mullion – L.M.I.

APPROVAL DOCUMENT: Drawing No. **M95-13A**, titled Series "Mullion Elevations and Details", sheets 01 through 05 of 05, dated 11/25/95, with the latest revision "E" dated 12/21/11, prepared by Al-Farooq Corporation, signed, sealed and dated 12/10/12 by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Section Renewal stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

REVISION of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews** NOA No. **12-0221.10** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
2/21/13

NOA No. 12-1220.15
Expiration Date: March 28, 2018
Approval Date: February 28, 2013
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 08-0331.07)
2. Drawing No. **M95-13A**, titled Series "Mullion Elevations and Details", sheets 01 through 05 of 05, dated 11/25/95, with the latest revision "**E**" dated 12/21/11, prepared by Al-Farooq Corporation, signed, sealed and dated 12/10/12 by Javad Ahmad, P. E.

B. TESTS

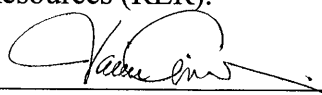
1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 201-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test, per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading, per FBC, TAS 203-94
along with marked-up drawings and installation diagram of casement windows mullied using a 1"x 2"x 1/8" aluminum tube mullion, prepared by Hurricane Testing Lab, Inc., Test Report No. **HTL-0080-0105-08**, dated 03/26/08 for specimen no.'s 1 and 2, signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 08-0331.07)
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per SFBC, PA 202-94 along with marked-up drawings and installation diagram of fixed windows mullied using a 1"x 2"x 1/8" aluminum tube mullion, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-96-525**, dated 02/12/96, signed and sealed by Hector M. Medina, P. E.
(Submitted under previous NOA No. 95-0929.39)
3. Test reports on: 1) Large Missile Impact Test, Loading per SFBC, PA 201-94 along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0080-0303-96**, dated 03/06/96, signed and sealed by Timothy S. Marshall, P.E.
(Submitted under previous NOA No. 95-0929.39)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2010, dated 02/10/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.
(Submitted under previous NOA No. 12-0221.10)

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-1220.15
Expiration Date: March 28, 2018
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E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

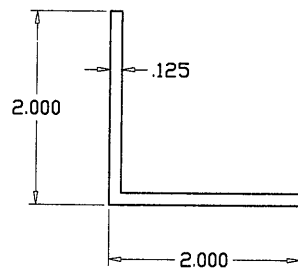
1. Statement letter of no financial interest, conformance and compliance with the **FBC-2010**, dated 12/07/12, signed and sealed by Javad Ahmad, P. E.
2. Laboratory compliance letters for Test Report No. **HTL-0080-0105-08**, specimens **1** and **2**, issued by Hurricane Test Laboratory, Inc., dated 03/26/08, signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 08-0331.07)
3. Laboratory compliance letters for Test Report No. **HTL-0080-0303-96**, issued by Hurricane Test Laboratory, Inc., dated 03/06/96, signed and sealed by Timothy S. Marshall, P. E.
(Submitted under previous NOA No. 95-0929.39)
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(Submitted under previous NOA No. 95-0929.39)

G. OTHERS

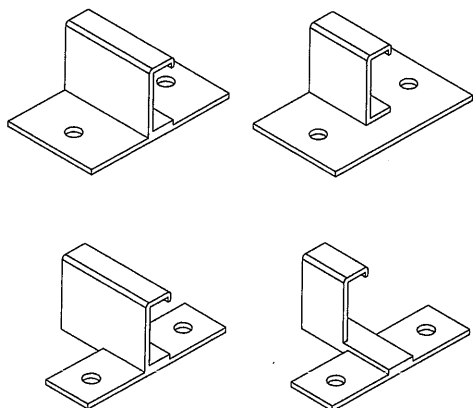
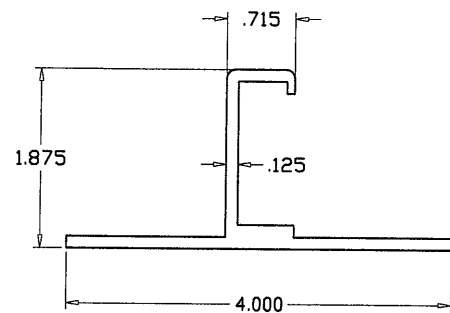
1. Notice of Acceptance No. **12-0221.10**, issued to CGI Windows & Doors for their Series "Clipped Aluminum Tube Mullion – L.M.I.", approved on 05/10/12 and expiring on 03/28/13.



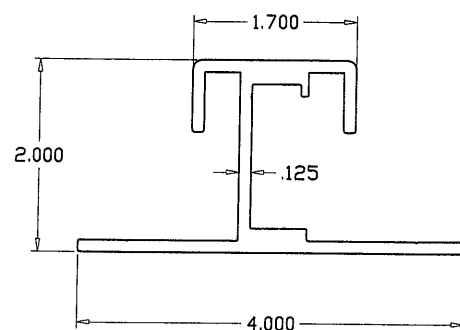
Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-1220.15
Expiration Date: March 28, 2018
Approval Date: February 28, 2013



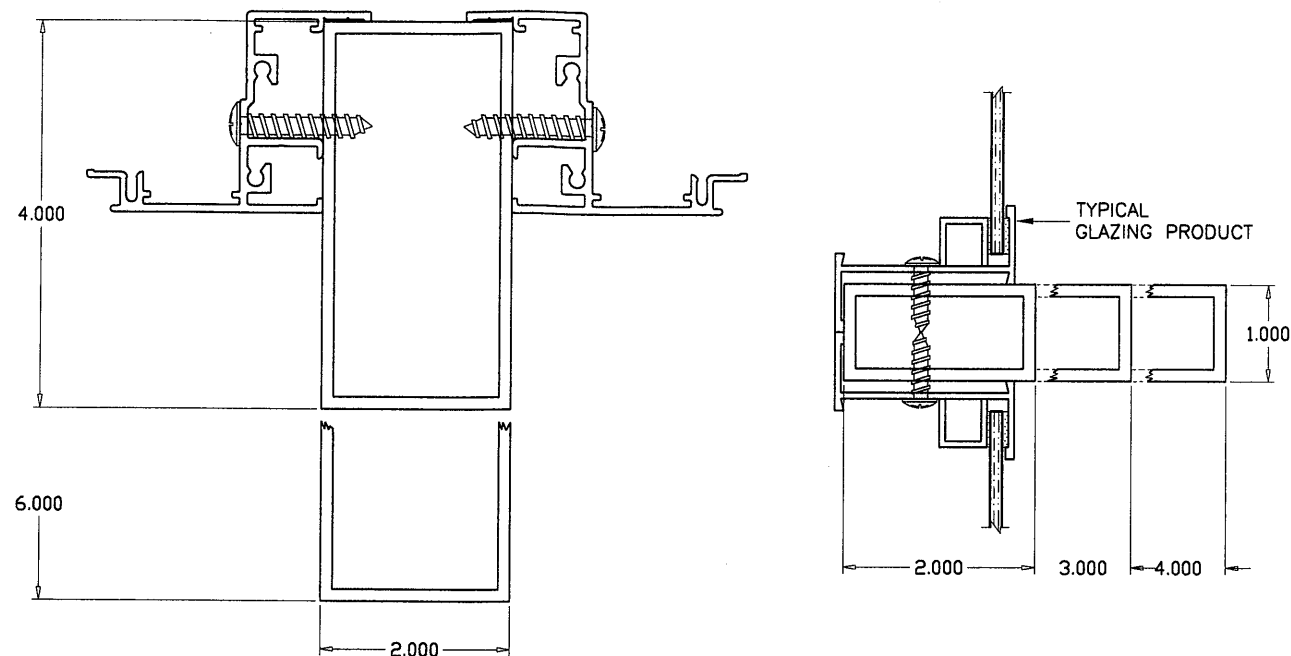
CLIP ANGLE
6063-T5



MULLION CLIP FOR 1BY TUBES
CGI-383
6063-T6
(ALT. TO 2 PIECE CLIP)



MULLION CLIP FOR 2BY TUBES
CGI-395
6063-T6
(ALT. TO 2 PIECE CLIP)



MULLIONS CONTAINING TYPICAL GLAZING PRODUCTS HORIZONTAL OR VERTICAL

SEE WINDOW OR DOOR APPROVAL FOR FASTENERS SIZES AND SPACING

ALL MULLIONS 6063-T6 MIN.

MULLION SYSTEM IS RATED FOR LARGE MISSILE IMPACT.
AND CAN BE USED WITH ALL MIAMI-DADE COUNTY APPROVED
IMPACT AND NON-IMPACT RESISTANT PRODUCTS.

RECTANGULAR ALUMINUM TUBE MULLIONS USING MULLION PROPERTIES ONLY

NOTES:

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY
HURRICANE ZONE (HVHZ).

ALL GLAZING PRODUCTS USED WITH THESE MULLIONS MUST MEET THE
APPLICABLE BUILDING CODE REQUIREMENTS I.E: WIND LOAD, WATER
INFILTRATION, FORCED ENTRY RESISTANCE, SAFEGUARDS ETC.

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER
LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, EMBEDMENT
TO BASE MATERIAL SHALL BE BEYOND WALL COVERING (STUCCO, TILE ETC.).

ANCHORING CONDITIONS OTHER THAN THOSE SHOWN IN THESE DETAILS
ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

INSTRUCTIONS:

USE CHARTS AND GRAPHS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN LOAD REQUIRED PER ASCE 7
FOR PARTICULAR OPENING.
- STEP 2** USE DADE COUNTY APPROVED GLAZING PRODUCTS MEETING
ABOVE LOAD REQUIREMENTS.
- STEP 3** USE CONNECTION TO MULLION AS PER PRODUCT
APPROVAL.
- STEP 4** USING GRAPHS ON SHEET 2 SELECT MULLION SIZE WITH
DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED
IN STEP 1 ABOVE.
- STEP 5** USING ANCHOR TYPES ON SHEETS 4 & 5, AND ANCHOR GRAPHS
ON SHEET 3, SELECT ANCHOR TYPE WITH DESIGN RATING
MORE THAN THE DESIGN LOADS SPECIFIED IN STEP 1 ABOVE.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-1220.15
Expiration Date 03/28/2018
By: [Signature]
Miami Dade Permit Office

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

DEC 10 2012

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
MULLION M95-13A

MULLION ELEVATIONS AND DETAILS

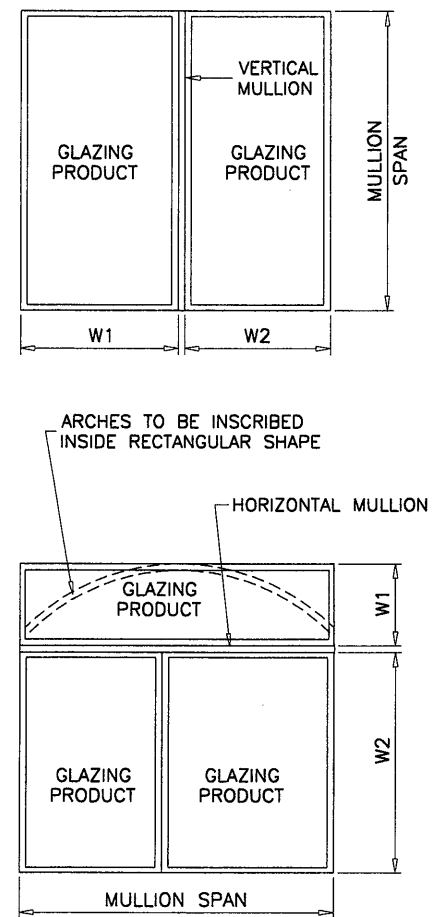
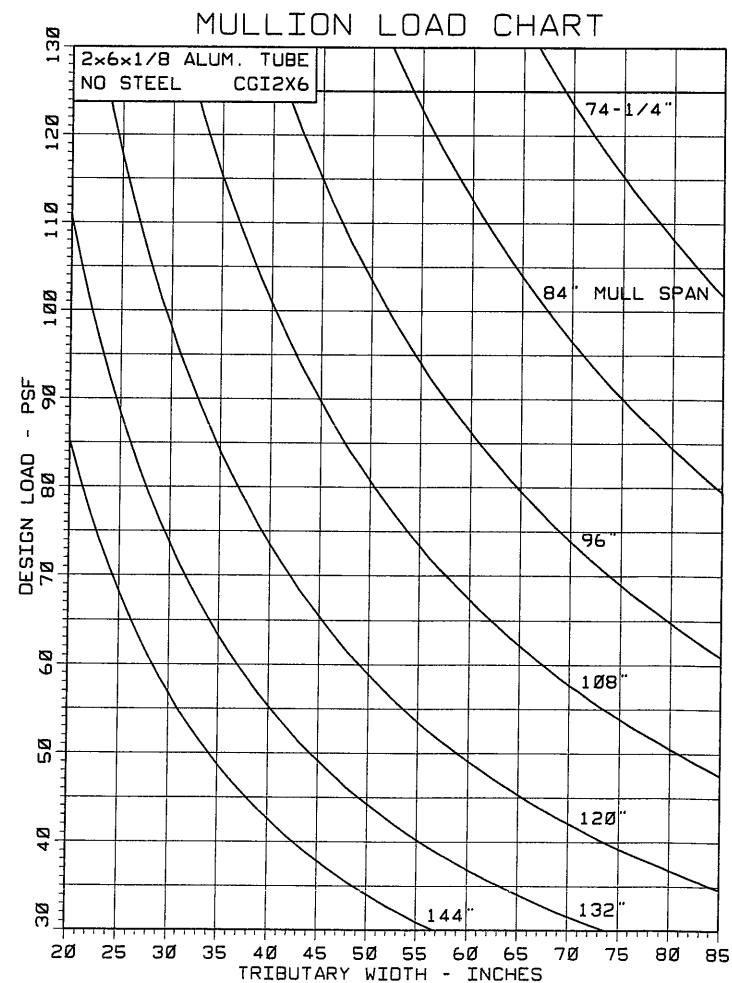
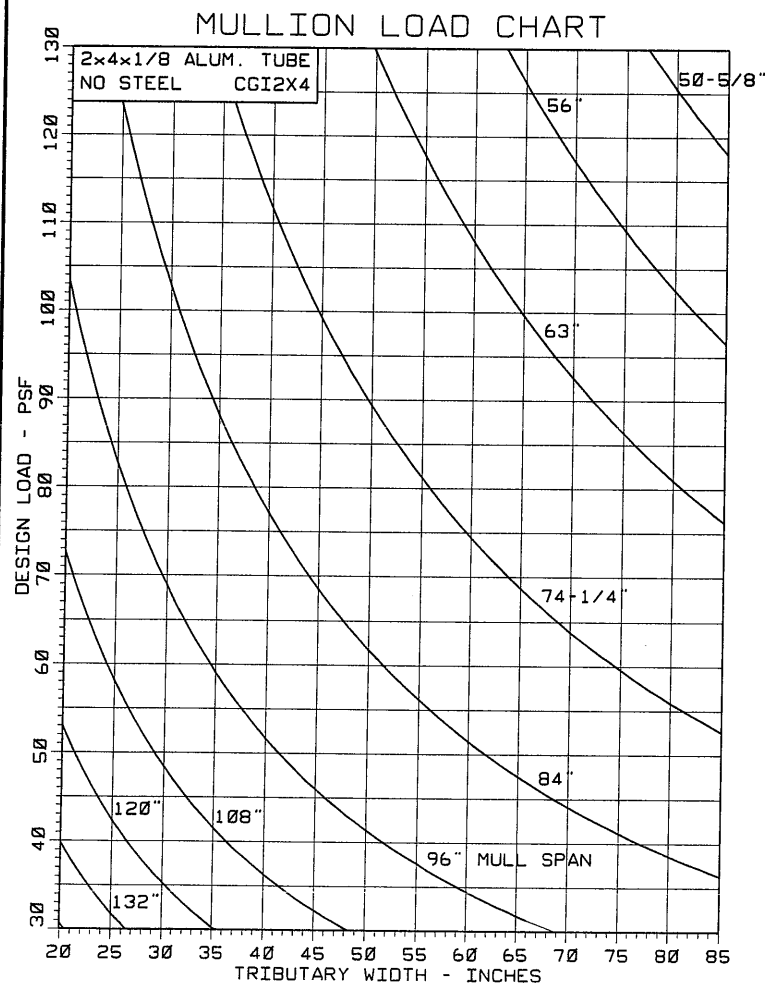
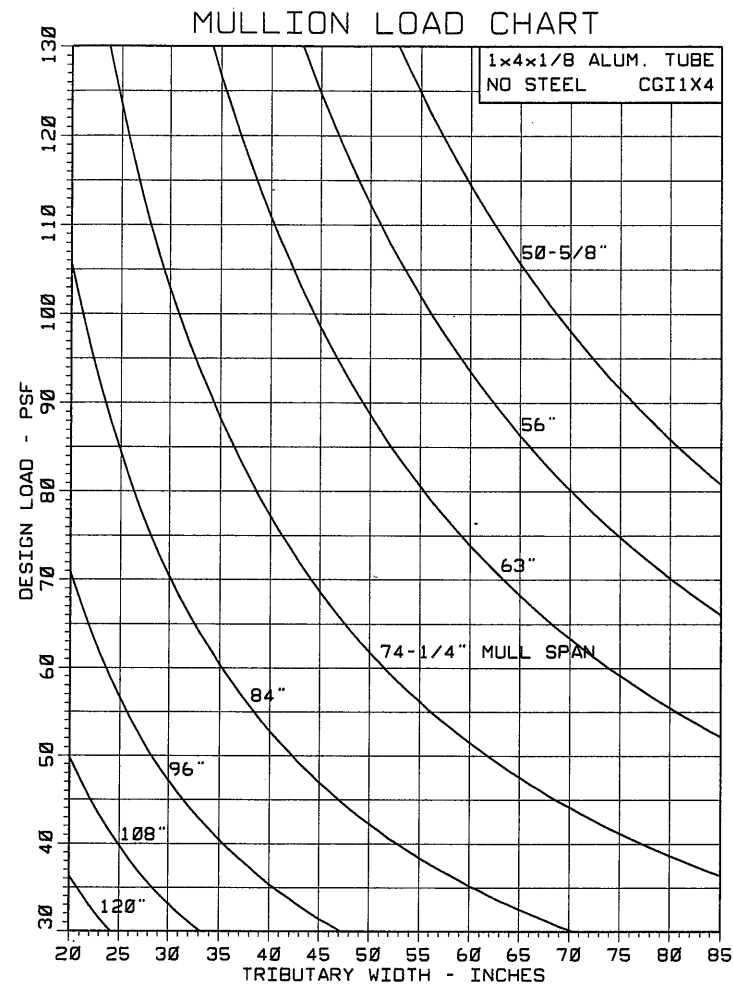
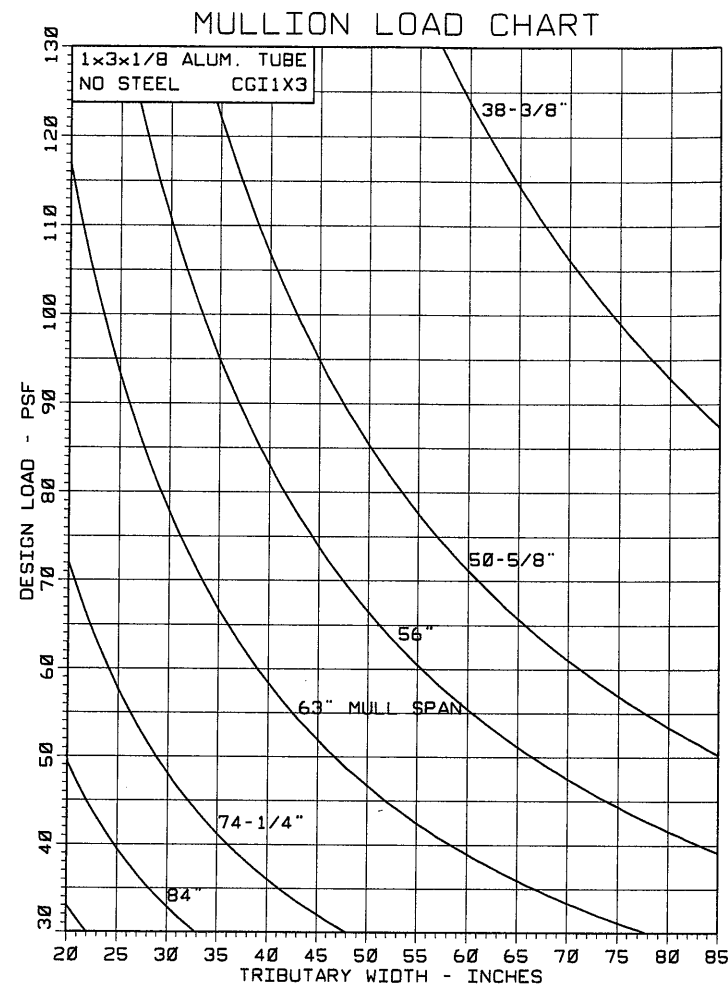
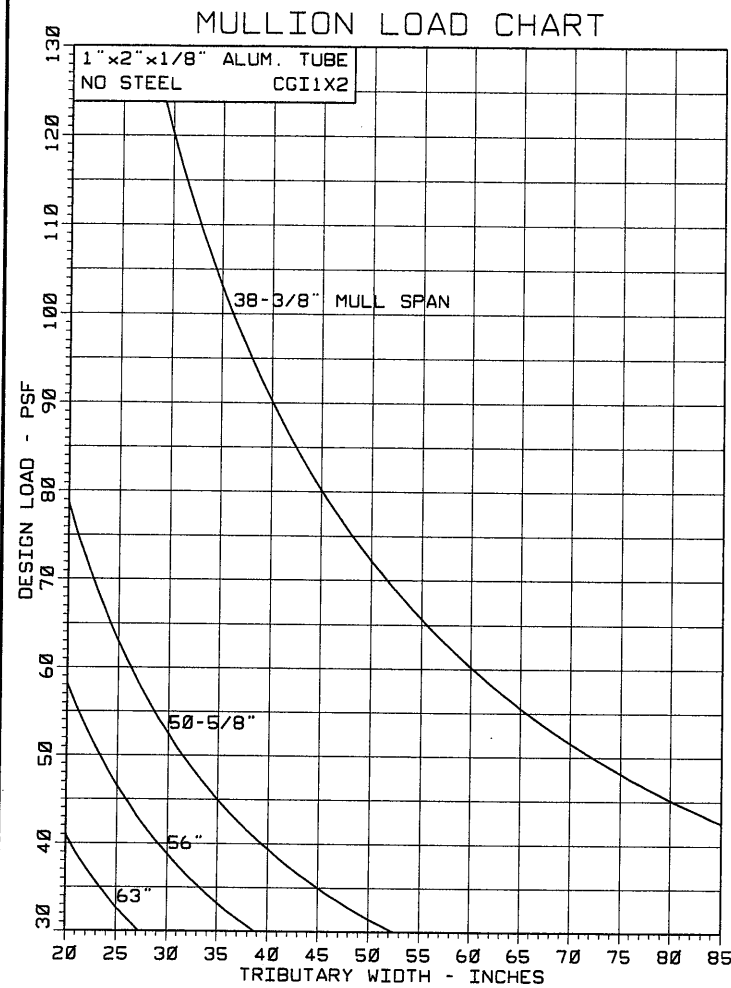
CGI WINDOWS & DOORS.
10100 NW 25 STREET
MIAMI, FL. 33172
TEL. (305) 593-6590 FAX. (305) 593-6592

no	date	by	description
B	10.1.16.02	T.H.	ANCHORS TYPE A & B REV.
C	04.28.07	REV.	PER BCCO COMMENTS
D	03.27.08	NOTE REV.	
E	12.21.11	UPDATED TO	2010 FBC

date: 11-25-95
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
M95-13A

sheet 1 of 5



TYPICAL MULLION ARRANGEMENTS

$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

NOTE:
MULLIONS RATED IN THESE CHARTS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY.
(INTERPOLATION BETWEEN WIDTHS ALLOWED)

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-1220.15
Expiration Date 03/28/2018
By *[Signature]*
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
[Signature]
DEC 10 2012

MULLIONS

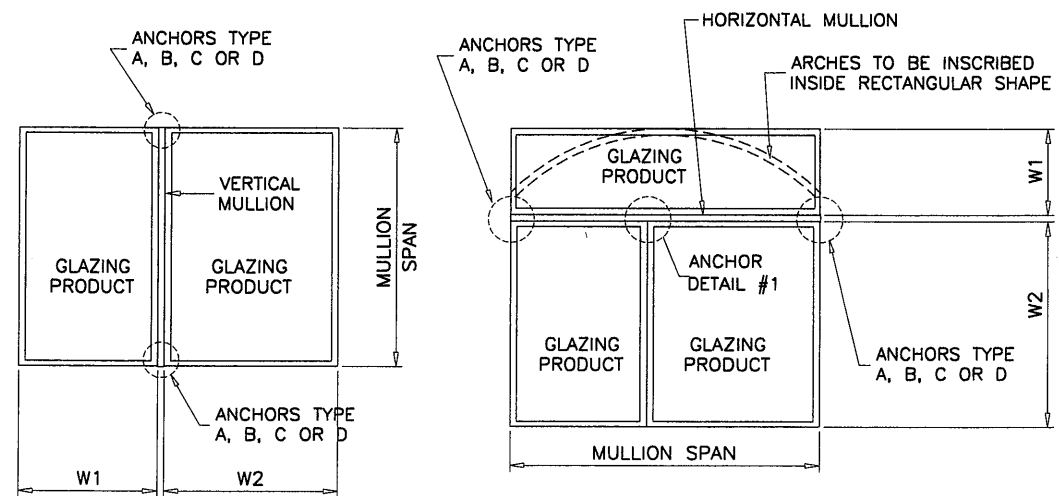
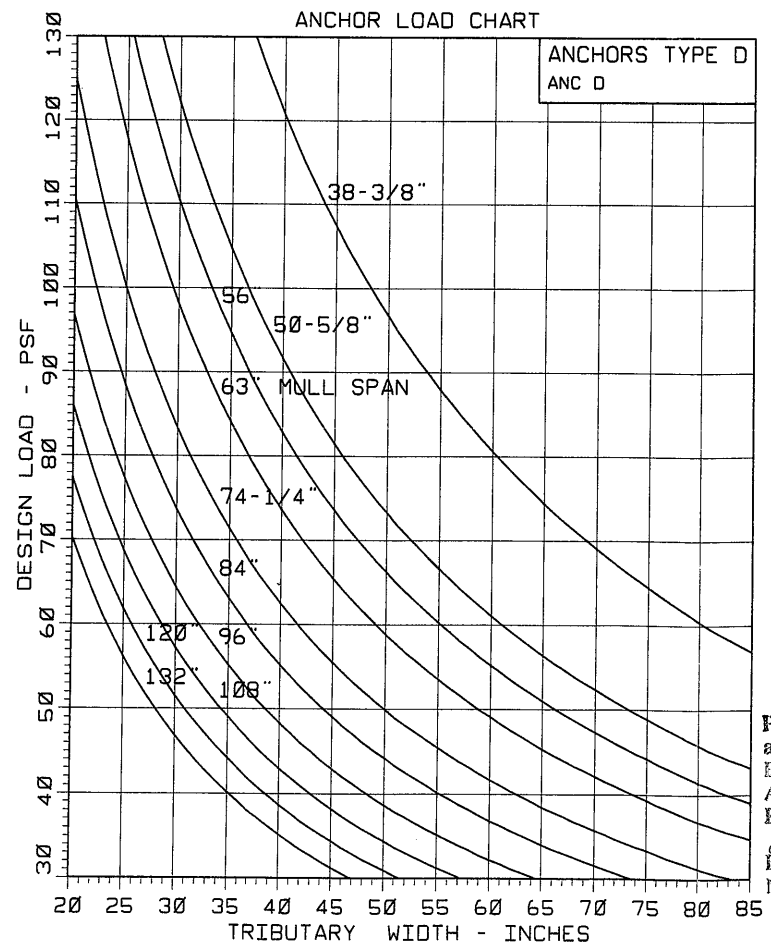
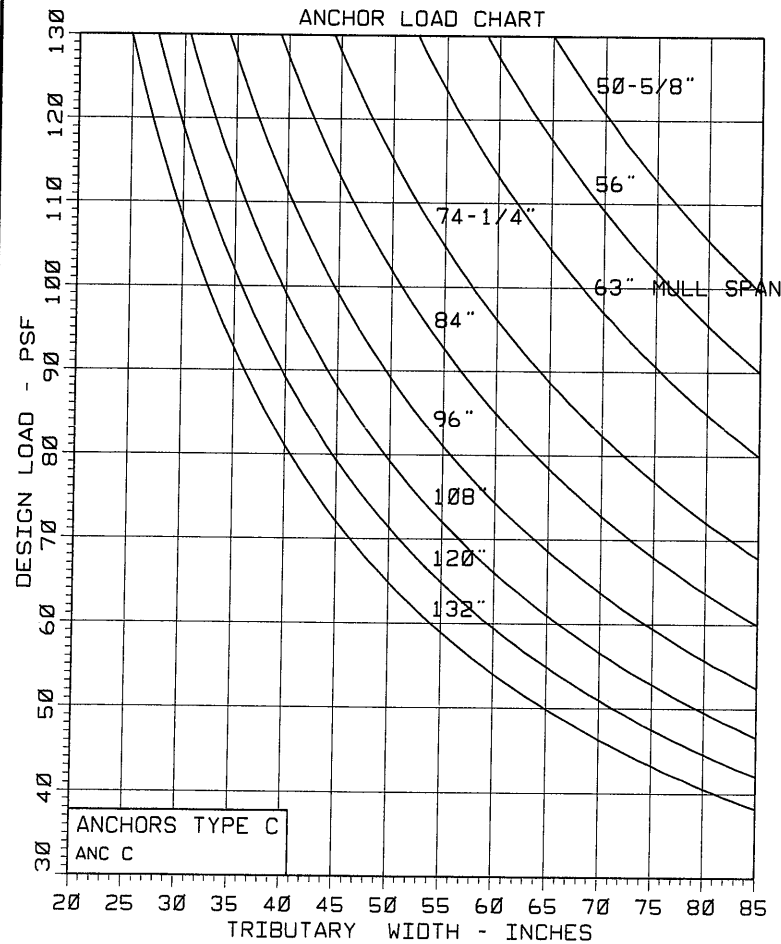
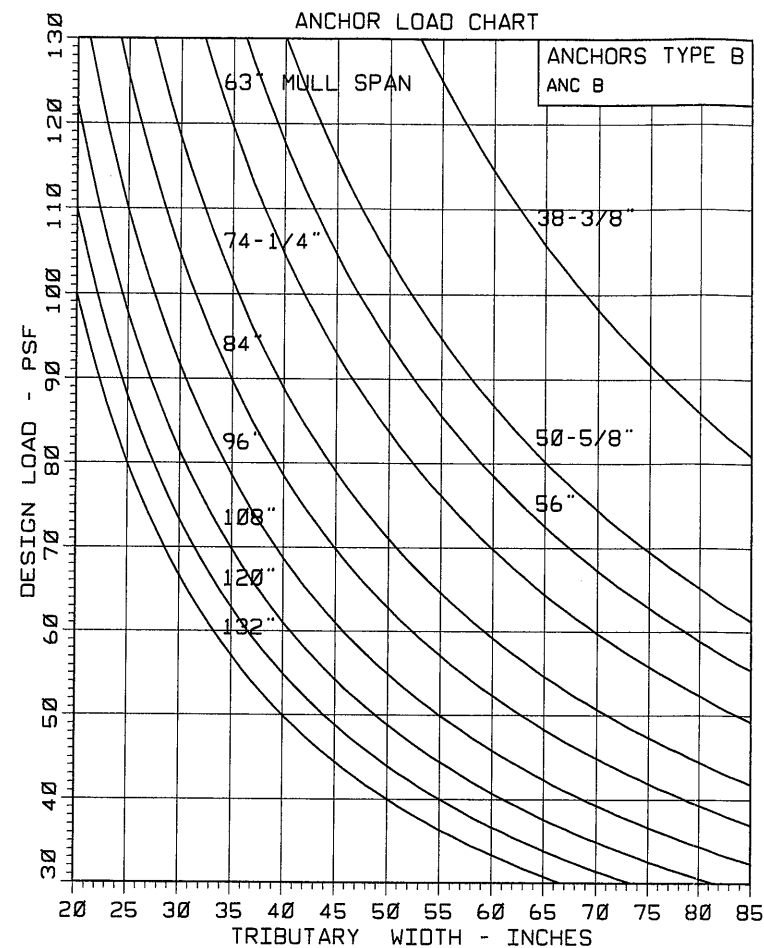
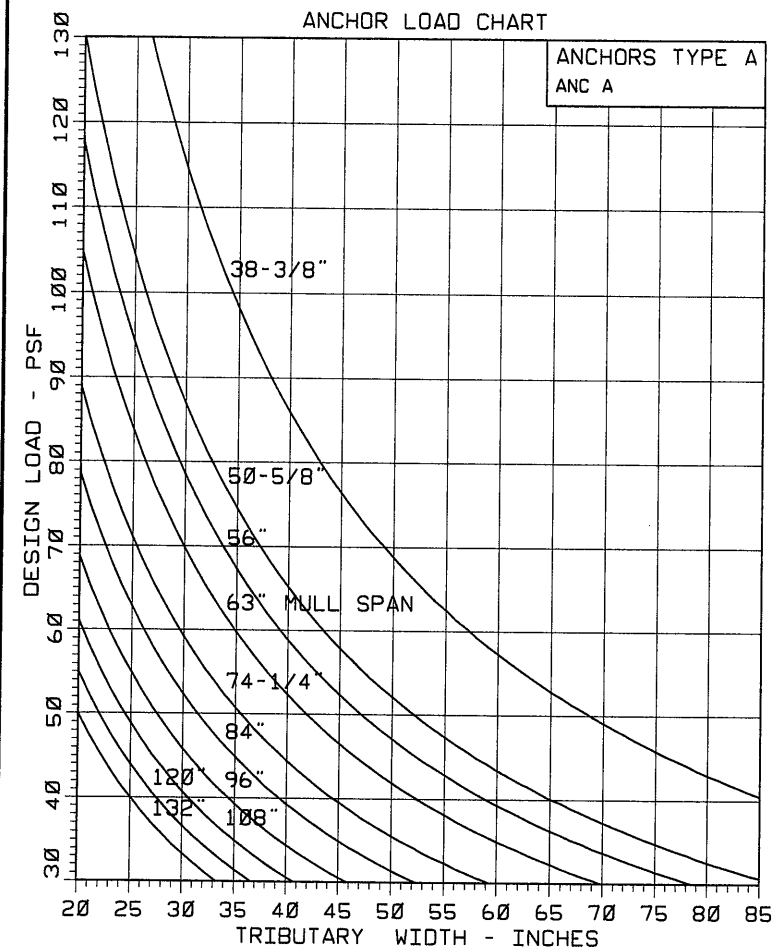
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
MULLION\M95-13A

MULLION ELEVATIONS AND DETAILS

CGI WINDOWS & DOORS.

10100 NW 25 STREET
MIAMI, FL. 33172
TEL. (305) 593-6590 FAX. (305) 593-6592

revisions:		by	description
no	date		
D	03.27.08		NO CHANGE THIS SHEET
E	12.21.11		NO CHANGE THIS SHEET
date: 11-25-95		scale: 1/2" = 1"	
dr. by: HAMID		chk. by:	
drawing no.		M95-13A	
sheet 2 of 5			



TYPICAL MULLION ARRANGEMENTS

$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

NOTE:
ANY ANCHOR CONDITION SHOWN HEREIN MAY COVER LOCATIONS AT HEAD, SILL OR JAMB ENDS.
FOR ANCHORS DESCRIPTION SEE SHEETS 4 & 5.
(INTERPOLATION BETWEEN WIDTHS OR SPANS ALLOWED)

PRODUCT RENEWED
as complying with the Florida
Building Code
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Expiration Date 03/28/2018
By *[Signature]*
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

[Signature]
DEC 10 2012

ANCHORS

al-farooq
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
MULLION\M95-13A

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	E	12.21.11		ANCHORS REV.

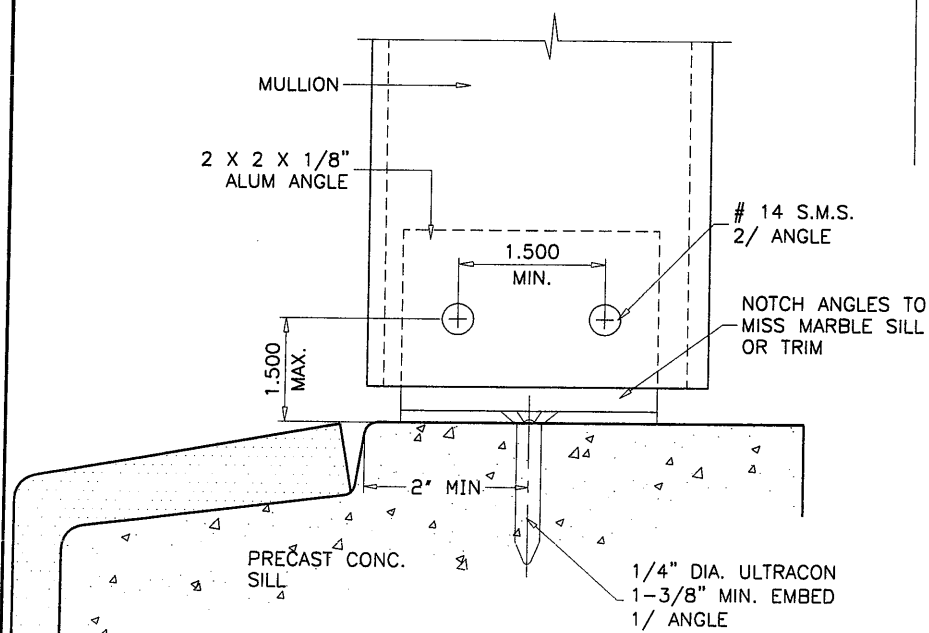
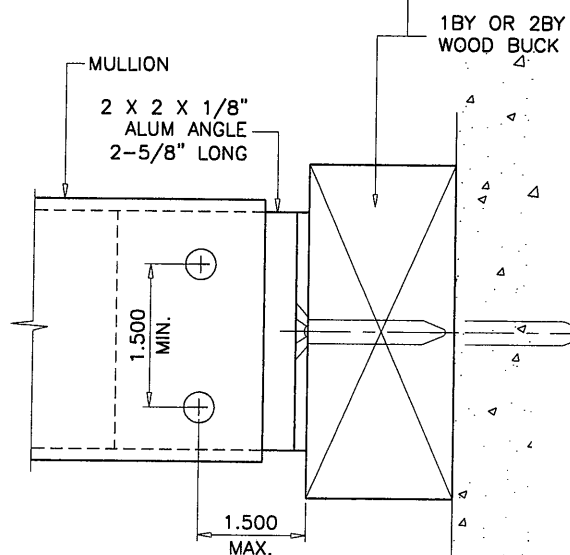
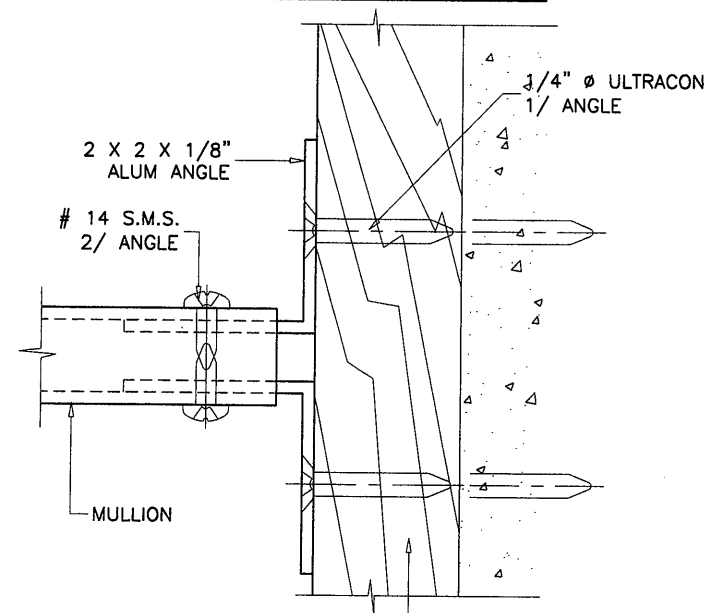
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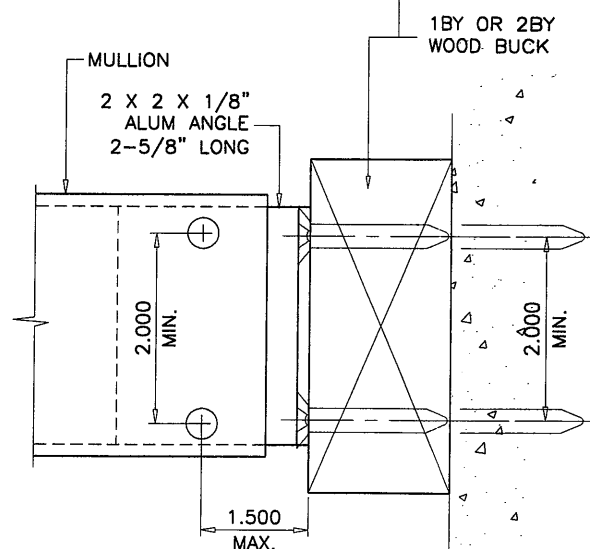
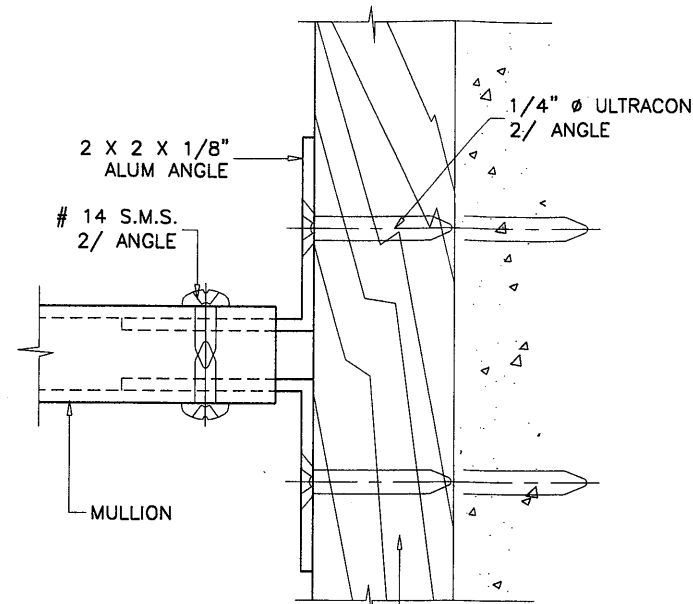
M95-13A

sheet 3 of 5

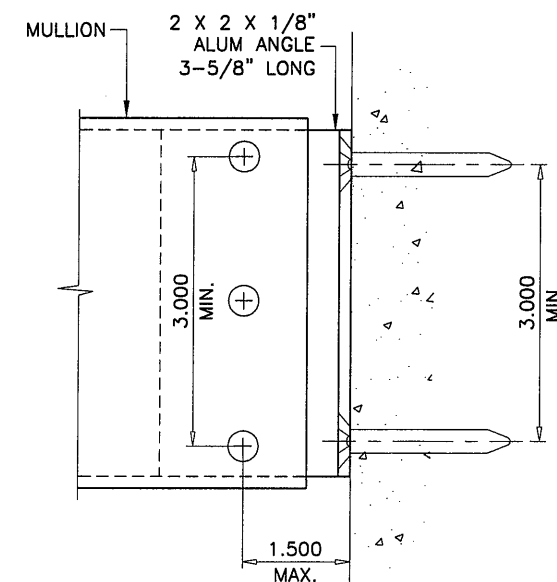
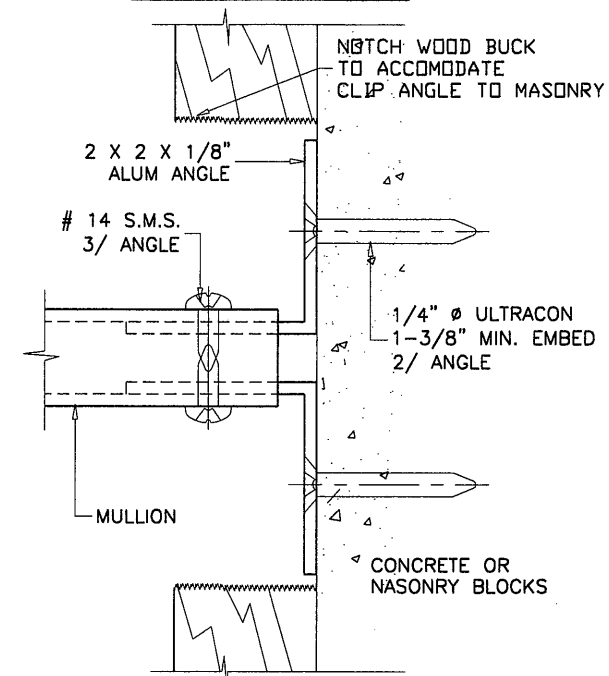
ANCHORS TYPE 'A'



ANCHORS TYPE 'B'



ANCHORS TYPE 'C'



1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-3/8" MIN. EMBED INTO CONC.
 1-1/4" MIN. EMBED INTO MASONRY

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 1/2" MIN.

WOOD BUCKS NOT BY C.G.I.
 MUST SUSTAIN LOADS IMPOSED.

PRODUCT RENEWED

as complying with the Florida

Building Code

Acceptance No

Expiration Date

By

Miami Dade Product Control

12-1220.15
 03/28/2018

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538

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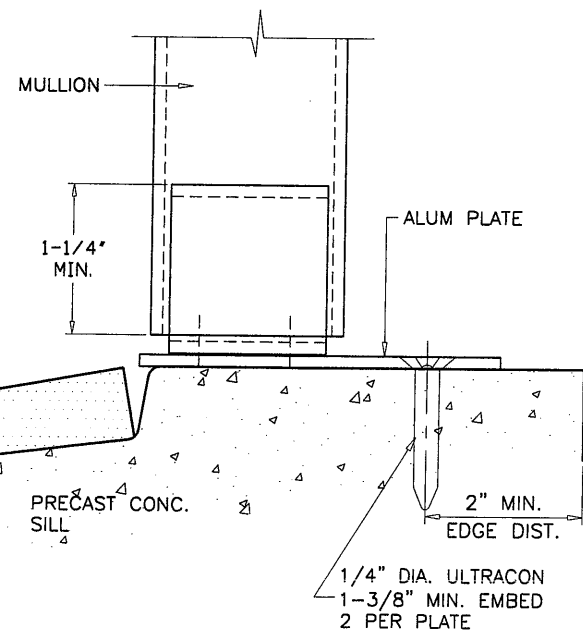
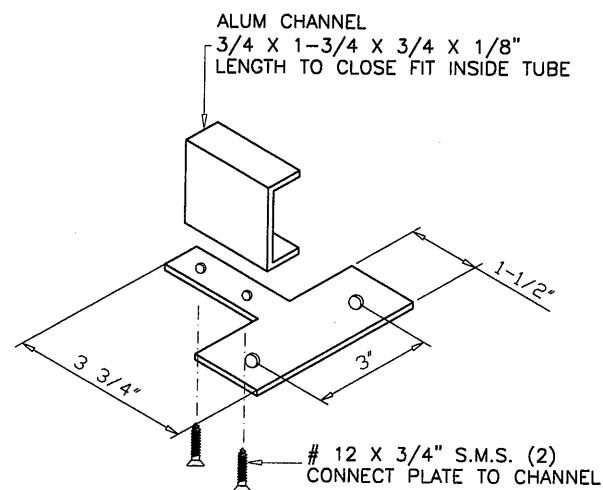
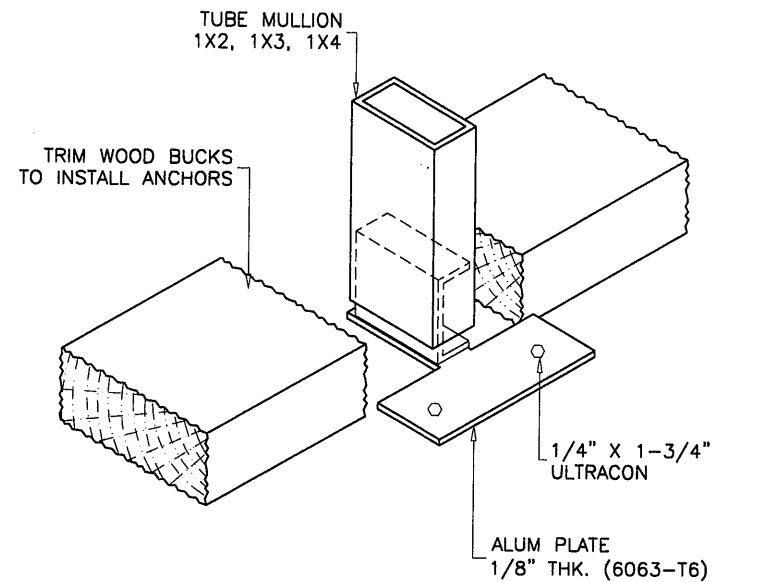
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chk. by:	

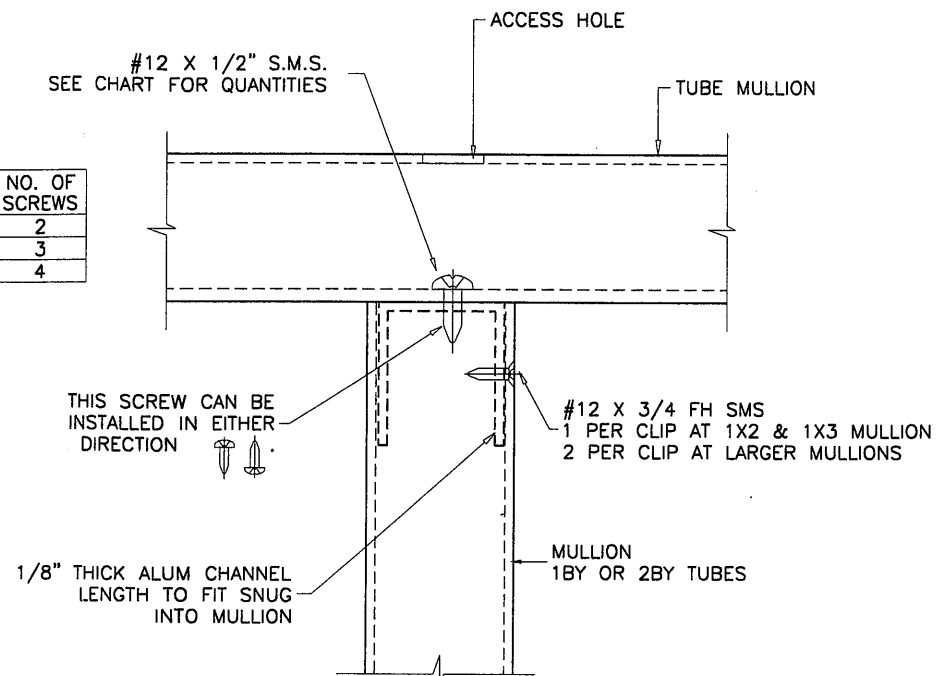
drawing no.
 M95-13A

sheet 4 of 5

ANCHORS TYPE 'D'



ANCHOR CHART	NO. OF SCREWS
TYPE A & D	2
TYPE B	3
TYPE C	4



ANCHORS DETAIL #1
METAL TO METAL CONNECTION

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Expiration Date **03/28/2018**
By *[Signature]*
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CIVIL
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[Signature]
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afc

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MULLION ELEVATIONS AND DETAILS

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revisions:	no	date	by	description
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	E	12.21.11		ANCHORS REV.

date: 11-25-95
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
M95-13A

sheet 5 of 5

MULLION M95-13A